

~~(12)~~ **INTERNATIONAL APPLICATION PUBLISHED UNDER
THE PATENT COOPERATION TREATY (PCT)**

~~(19)~~ World Intellectual Property Organization ~~_____~~ [WIPO] ~~_____~~ [Bar Code] ~~_____~~
~~_____~~ International Bureau

~~(43)~~ International Publication Date ~~_____~~ ~~(10)~~ International Publication Number ~~_____~~
~~_____~~ December 29, 2004 (12/29/2004) ~~_____~~ **PCT** ~~_____~~ **WO 2004/113054 A1**

~~(51)~~ International Patent Classification⁷: ~~_____~~ **B29C 59/02,**
~~_____~~ **B44B 5/00**

~~(74)~~ Representative: ~~BARTELS AND PARTNER;~~ Lange
Strasse 51, 70174 Stuttgart (DE).

~~(21)~~ International Application No.: ~~_____~~ PCT/EP2004/002158

~~(81)~~ Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL,
AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,
EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,
IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW.

~~(22)~~ International Filing Date: ~~_____~~
~~_____~~ March 4, 2004 (03/04/2004)

~~(25)~~ Language in which the international application was
originally filed: ~~_____~~ German

~~(26)~~ Language in which the international application is
published: ~~_____~~ German

~~(30)~~ Priority Data:
~~_____~~ 103 28 198.3 ~~_____~~ June 24, 2003 (06/24/2003) DE

~~(84)~~ Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW,
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TY, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,

~~(71)~~ Applicant and

~~(72)~~ Inventor: **HANSEN, Bernd** [DE/DE]; Talstr. 22-30,
~~_____~~ 74429 Sulzbach-Laufen (DE).

~~_____~~ [continued on next page]

~~(54)~~ Title: **49921**

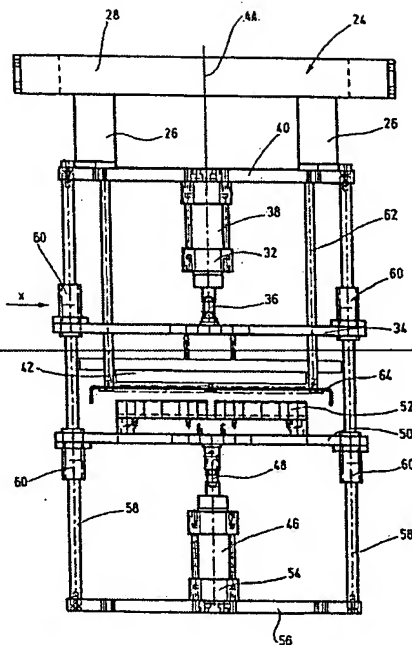
Patent Application

of

BERND HANSEN

for

STAMPING DEVICE



(57) Abstract: The invention relates to a stamping device for stamping characteristic data, especially in the form of code numbers (22), into plastic products, such as containers which are preferably produced according to blowing, filling and gelling methods. According to the invention, at least one stamp (32), comprising a stamping unit (34) with interchangeable characteristic data units (42), is guided in the longitudinal direction in the frame (24) of the device. When the stamp is in an elevated position, the products which are to be stamped and/or have been stamped can be fed or removed and when in a lowered position, the products are stamped.

(57) Zusammenfassung: Die Erfindung betrifft eine Prägevorrichtung zum Einprägen von Kennzeichen, insbesondere in Form von Code-Ziffern (22), in Kunststoffprodukten, wie Behälter, die vorzugsweise nach einem Blasform-, Füll- und Siegelverfahren hergestellt sind, wobei in einem Gestell (24) der Vorrichtung mindestens ein Prägestempel (32) mit einer Prägeeinheit (34) mit 10 austauschbaren Kenndateneinheiten (42) längsverfahrbar geführt ist und in einem angehobenen Zustand die Zu- und Abfuhr der zu prägenden bzw. geprägten Erzeugnisse ermöglicht und in einem abgesenkten Zustand die Einprägung der Erzeugnisse vornimmt.

TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

With International Search Report.

Reference is made for an explanation of the two-letter codes and the other abbreviations to the Guidance Notes on Codes and Abbreviations in the front section of each regular PCT Gazette edition. Invention